## **PCT**





## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:		(11) International Publication Number:	WO 97/10385
D21H 17/02, 17/22, 17/28	A1	(43) International Publication Date:	20 March 1997 (20.03.97)
(22) International Filing Date: 16 September 1996 (  (30) Priority Data: 15 September 1995 (15.09.9)  (71) Applicant (for all designated States except US): ROE PAPIER B.V. [NL/NL]; Mijnheerkensweg 18, NL-Roermond (NL).  (72) Inventors; and (75) Inventors/Applicants (for US only): VAN KESSEI Peter, Marie [NL/NL]; Ursulahof 58, NL-5 Kessel (NL). KUYPERS, Gerardus, Henricus, [NL/NL]; Cornelishoflaan 3, NL-6042 ND R (NL), MAESSEN, Matheus, Petrus, Marie [NL/N Hövellstraat 35, NL-5988 AG Helden (NL).  (74) Agents: SMULDERS, Th, A., H., J. et al.; Ve Octrooibureaux, Nieuwe Parklaan 97, NL-2587 Hague (NL).	16.09.9  MO  S) N  RMON 6041 T  L, Lou 995 C Andre Coermon NL]; V:	LT, LU, LV, MD, MG, MK, MPT, RO, RU, SD, SE, SG, SI, UG, US, UZ, VN, ARIPO pat UG), Eurasian patent (AM, AZ, TM), European patent (AT, BE, GB, GR, IE, IT, LU, MC, NL, BJ, CF, CG, CI, CM, GA, GN, With international search report Before the expiration of the table claims and to be republished in amendments.  In English translation (filed in its amendments).	E, DK, EE, ES, FI, GB, GE, KR, KZ, LC, LK, LR, LS, IN, MW, MX, NO, NZ, PL, SK, TJ, TM, TR, TT, UA, ent (KE, LS, MW, SD, SZ, BY, KG, KZ, MD, RU, TJ, E, CH, DE, DK, ES, FI, FR, PT, SE), OAPI patent (BF, ML, MR, NE, SN, TD, TG).  T. ime limit for amending the n the event of the receipt of Dutch).
(54) Title: PAPER AND CARDBOARD COMPRISING STARCH- AND PROTEIN-CONTAINING MATERIAL			

## (57) Abstract

The invention relates to paper or cardboard comprising the components of flour in the paper fiber matrix. In addition, the invention relates to a method for manufacturing paper, wherein a step is carried out whereby the components of flour are introduced into the paper fiber matrix in a joint step. Moreover, the invention relates to a method wherein a vegetable material containing a considerable amount of starch and protein is completely processed in a paper-manufacturing process. Finally, the invention comprises the use of flour components in the fiber matrix of paper for modifying the properties of the paper.